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SENSOR SERIAL NUMBER: 4346
CALIBRATION DATE: 04-Oct-18

SBE 4 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

g = -9.89546672e+000
h = 1.29508597e+000
i = -2.61785619e-003
j = 2.44030720e-004

CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

BATH TEMP (° C)	BATH SAL (PSU)	BATH COND (S/m)	INSTRUMENT OUTPUT (kHz)	INSTRUMENT COND (S/m)	RESIDUAL (S/m)
0.0000	0.0000	0.00000	2.76995	0.00000	0.00000
-1.0000	34.5398	2.78437	5.41285	2.78435	-0.00001
0.9997	34.5410	2.95464	5.53363	2.95466	0.00002
15.0000	34.5370	4.24096	6.37190	4.24094	-0.00002
18.5000	34.5343	4.58498	6.57787	4.58498	-0.00000
29.0001	34.5276	5.66034	7.18324	5.66037	0.00003
32.5001	34.5144	6.02928	7.37930	6.02926	-0.00002

f = Instrument Output (kHz)

t = temperature (°C); p = pressure (decibars); δ = CTcor; ϵ = CPcor;

Conductivity (S/m) = $(g + h * f^2 + i * f^3 + j * f^4) / 10 (1 + \delta * t + \epsilon * p)$

Residual (Siemens/meter) = instrument conductivity - bath conductivity

